



Michigan Energy Office

The Rebuild Michigan program assists public K-12 schools, colleges, universities, local governments, public housing commissions & nine community partners to initiate energy efficiency projects in their buildings. The Program offers on-site technical assistance and information to help building owners install cost-effective energy efficiency projects.

Rebuild Michigan 2006 ANNUAL REPORT

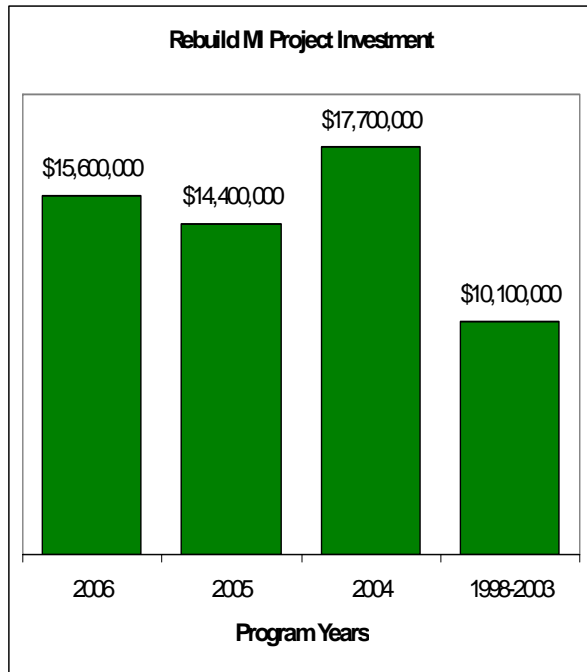
Community Partnerships

During 2006, nine Rebuild Michigan Partner communities helped public/commercial building owners to improve energy efficiency in their buildings and promote energy efficiency and renewable energy development in their local area. These partners were led by the cities of Ecorse, Marshall and Traverse City; Northern Options (Marquette); Escanaba Housing Commission; the Northeast MI Council of Governments (Cheyboygan); Michigan State University; Washtenaw County; and the Great Lakes Renewable Energy Association (Lansing Area).

Each partnership encompasses a lead organization, coalition of local partners and, receives start up funding and technical support to organize and develop their program. Last summer, several partnerships requested and received energy audits and audit training through the Detroit Edison Energy Partnership & Services. Some partnership clients intend to implement energy efficiency recommendations received from these DTE Energy audits. Through the DTE training, partnerships will provide preliminary energy audits in their communities. The State Energy Office hosted quarterly teleconferences to update the partnerships on additional resources available to them and to encourage information sharing among other partner communities.

Accomplishments for 2006 included completion of technical energy analyses for two Lansing Metro schools by **Great Lakes Renewable Energy Association**. **Washtenaw County** retrofitted 18 of their buildings with energy efficiency measures and monitors the annual energy savings. **Michigan State University** performed extensive energy efficiency improvements on MSU residence hall buildings that impact approximately one half (two million square feet) of the total residential hall square footage. **Traverse City** completed a technical energy analysis for a commercial concrete service business and added several new coalition members. The **City of Marshall** completed energy audits on a medium-sized industrial facility and a large restaurant complex. Three City of Marshall employees received on-site energy audit training from DTE. The **City of Ecorse** plans to become a model sustainable community for the Detroit downriver area. The City contracted with a qualified Energy Auditor, selected four buildings for energy audits and formed a Community Build Team. **Northern Options Energy Services** conducted two energy audits and completed a technical energy analysis. Northern Options is assisting one entity with an energy project and has signed on five coalition members. The **Escanaba Housing Commission** and **Northeast MI Council of Governments** are new partnerships initiated in October 2006.

Opportunities for additional committed communities to become Rebuild Community Partnership will be available early in 2007. For more information on Rebuild MI Community Partnership visit www.michigan.gov/eorebuild.



2006 In Quick Review

The Rebuild Michigan Program team conducted on-site introductory energy evaluations for 63 clients, including K-12 schools, universities, local governments and housing commissions. Program focus continues to be statewide energy project implementation in commercial buildings.

During 2006, Rebuild Michigan clients reported investment in building energy efficiency projects totaling more than 15 million dollars. The graph represents total project investment reported since the inception of Rebuild Michigan in 1998. That total reported project investment for all program years now exceeds \$57 million.

Key Rebuild MI promotional partners in 2006 included: Michigan Municipal League, Michigan

Association of Physical Plant Administrators, East Michigan Chapter of ASHRAE, Michigan School Business Officials, Michigan Municipal Bond Authority, Association of Energy Engineers and the M-TEC at Bay De Noc College.

A Successful Project

The Greenville Housing Commission is an example of a completed Rebuild MI project in 2006. The Commission installed a new boiler system, variable frequency drives on air exchange units and energy efficiency lighting. The Commission expects an investment payback on the lighting upgrade of 2.7 years, on the new boiler of 7 years and 1 year on the variable frequency drives for air handler motors. Annual energy cost saving are projected to be \$21,400.



New Greenville PHC Energy Efficient Boiler

Energy Star 2006

Kenowa Hills Public School District secured ENERGY STAR building label status again during 2006. They applied and were awarded ENERGY STAR building labels at Alpine Elementary, Fairview Elementary and Intermediate district buildings. The district received their first ENERGY STAR building label in 2005. Only three other districts in the state have earned this award: Wyandotte, Grandville and Belding. The ENERGY STAR label is awarded for buildings exhibiting high energy efficiency without sacrificing occupant safety and comfort. Labeled buildings received national recognition and a bronze plaque to from the U.S. Department of Energy (DOE) and the Environmental Protection Agency (EPA) to display on-site. Information on ENERGY STAR is available at www.energystar.gov. Information on incentives is available at www.michigan.gov/energyoffice.